

To: Hanley, Jim[Hanley.James@epa.gov]
From: Vinton, Brian (RTKC)
Sent: Mon 8/10/2015 3:33:03 PM
Subject: RE: 3rd and final email--TRC

James,

Glad documents came through. During presentation, I'll try to keep you Q'd up.

I've been following the Gold King flow news. I'm sure we will have a few questions from TRC members here about confined tunnel water here at KUC. We have close to 1200 miles of tunnels at Bingham and about three independent set of workings but are able to keep dewatered to a depth that does create hydraulic pressure to atmosphere.

What often happens, as you likely know, at old mine districts is that the ore deposit or economics cause infrastructure/cash to ebb so the companies will contract out all of the mining. When this happens, the contractors do not see any value to detail map their drifts and extraction areas and then before anyone knows, the underground mines are cross connected. Even here at Bingham, we had to pump test a couple areas to see what was tied to what and obviously the more tunnels and levels tied together the more volume of water that can be held. Am surprised at Gold King that plenty of oxygen was available to make the ARD. We be interested to hear details and what technical solutions will need to be put in place.

From: Hanley, Jim [mailto:Hanley.James@epa.gov]
Sent: Monday, August 10, 2015 9:08 AM
To: Vinton, Brian (RTKC)
Subject: RE: 3rd and final email--TRC

Hello Brian,

I received all attachments. Sorry to not get back sooner. As you can imagine, we are preoccupied with recovering from our own spill right now.

Sincerely,

James Hanley

Mining Engineer

Office of Environmental Protection and Remediation

US EPA Region 8

1595 Wynkoop Street, EPR-S

Denver, CO 80202-1129

303.312.6725 (office)

hanley.james@epa.gov

From: Vinton, Brian (RTKC) [<mailto:Brian.Vinton@riotinto.com>]

Sent: Sunday, August 09, 2015 8:08 PM

To: Hanley, Jim

Subject: 3rd and final email--TRC

Avis:

Ce message et toute pièce jointe sont la propriété de Rio Tinto et sont destinés seulement aux personnes ou à l'entité à qui le message est adressé. Si vous avez reçu ce message par erreur, veuillez le détruire et en aviser l'expéditeur par courriel. Si vous n'êtes pas le destinataire du message, vous n'êtes pas autorisé à utiliser, à copier ou à divulguer le contenu du message ou ses pièces jointes en tout ou en partie.

Notice:

This message and any attachments are the property of Rio Tinto and are intended solely for the named recipients or entity to whom this message is addressed. If you have received this message in error please inform the sender via e-mail and destroy the message. If you are not the intended recipient you are not allowed to use, copy or disclose the contents or attachments in whole or in part.

Avis:

Ce message et toute pièce jointe sont la propriété de Rio Tinto et sont destinés seulement aux personnes ou à l'entité à qui le message est adressé. Si vous avez reçu ce message par erreur, veuillez le détruire et en aviser l'expéditeur par courriel. Si vous n'êtes pas le destinataire du message, vous n'êtes pas autorisé à utiliser, à copier ou à divulguer le contenu du message ou ses pièces jointes en tout ou en partie.

Notice:

This message and any attachments are the property of Rio Tinto and are intended solely for the named recipients or entity to whom this message is addressed. If you have received this message in error please inform the sender via e-mail and destroy the message. If you are not the intended recipient you are not allowed to use, copy or disclose the contents or attachments in whole or in part.